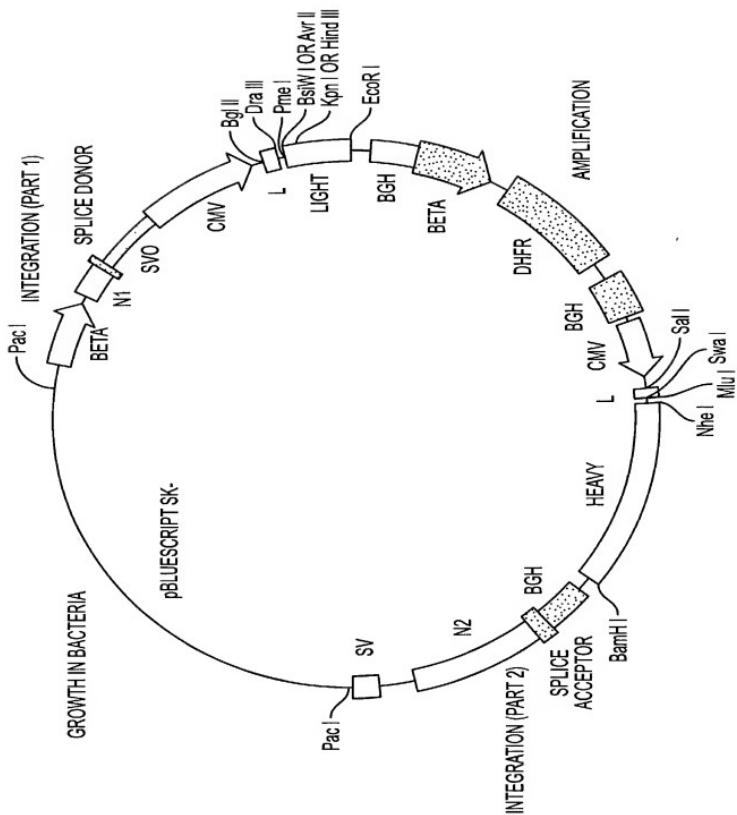


FIG. 1



Frame 1 M R V P C A Q L L G L L W L P G A R
ATG AGG GTC CCC GCT CAG CTC CTG GGG CTC CTG CTG TGG CTC CCA GGT GCA CGA
9 18 27 36 45 54

C A Y E L T Q P P S V S P G Q T A R I
TGT GCC TAT GAA CTG ACT CAG CCA CCC TCG GTG TCA GTG S CCA GGA Q ACG GCC R AGG ATC
63 72 81 90 99 108 117

T C G G D N S R N E Y V H W Y Q K P A R
ACC TGT GGG GGA GAC AAC AGT AGA AAT GAA TAT GTC CAC TGG TAC CAG CAG AAG CCA GCG CGG
126 135 144 153 162 171 180

A P I L V I D D S R P G I P E R F S
GCC CCT ATA CTG GTC ATC TAT GAT GAT AGT GAC CGG CCC S TCA GGG ATC CCT GAG CGA TTC TCT
189 198 207 216 225 234 243

G S K S G N T A T L T I N G V E A G D E A
GGC TCC AAA TCA GGG AAC ACC GCC ACC CTG ACC ATC AAC GGG GTC GAG GCC GGG GAT GAG GCT
252 261 270 279 288 297 306

D Y Y C O V W D R A S D H P V F G G G T R
GAC TAT TAC TGT CAG GTG TGG GAC AGG GCT AGT GAT CAT CCG GTC TTC GGA GGA GGG ACC CGG
315 324 333 342 351 360 369

V T V L G Q P K A A P S V T L F P P S S E
GTG ACC GTC CTA GGT CAG CCC AAG GCT GCC ACC CCC TCG GTC ACT CTG TTC CCG CCC TCC TCT GAG
378 387 396 405 414 423 432

E L Q A N K A T L V C L I S D F Y P G A V
GAG CTT CAA GCC AAC AAG GCC ACA CTG GTG TGT CTC ATA AGT GAC TTC TAC CCG GGA GCC GTG
441 450 459 468 477 486 495

T V A W K A D S S P V K A G V E T T P S
ACA GTG GCC TGG AAG GCA GAT AGC AGC CCC V GCG GGA GTG GAG ACC ACC ACA CCC TCC
504 513 522 531 540 549 558

K Q S N N K Y A A S S Y L S L T P E Q W K
AAA CAA ACC AAC AAC AAG TAC GCG GCC AGC AGC TAC CTG AGC CTG ACG CCT GAG CAG TGG AAG
567 576 585 594 603 612 621

S H R S Y S P V T H E G S T V E K T V A
TCC CAC AGA AGC TAC AGC TGC Q GAG GTC AC G CAT GAA GGG AGC ACC GTG GAG AAG ACA GTG GCC
630 639 648 657 666 675 684

P T E C S
CCT ACA GAA TGT TCA TGA
693 702

FIG. 3A

FIG. 3B

H	N	A	K	T	K	P	R	E	E	Q	Y	N	S	T	Y	R	V	V	V	S	V
CAT	AAT	GCC	AAG	ACA	AAG	CCG	CGG	GAG	GAG	CAG	TAC	AAC	AGC	ACG	TAC	CGT	GTG	GTC	GTC	AGC	GTC
945		954				963				972			981			990				999	
L	T	V	L	H	O	D	W	L	N	G	K	E	Y	K	C	K	V	S	N	K	
CTC	ACC	GTC	CTG	CAC	CAG	GAC	TGG	CTG	AAT	GGC	AAG	GAG	TAC	AAG	TGC	AAG	GTC	TCC	AAC	AAA	
1008			1017			1026			1035			1044			1053				1062		
A	L	P	A	P	I	E	K	T	I	S	K	A	K	G	Q	P	R	E	P	Q	
GCC	CTC	CCA	GCC	CCC	ATC	GAG	AAA	ACC	ATC	TCC	AAA	GCC	AAA	GGG	CAG	CCC	CGA	GAA	CCA	CAG	
1071			1080			1089			1098			1107			1116				1125		
V	Y	T	L	P	P	S	R	D	E	L	T	K	N	Q	V	S	L	T	C	L	
GTG	TAC	ACC	CTG	CCC	CCA	TCC	CGG	GAT	GAG	CTG	ACC	AAG	AAC	CAG	GTC	AGC	CTG	ACC	TGC	CTG	
1134			1143			1152			1161			1170			1179				1188		
V	K	G	F	Y	P	S	D	I	A	V	E	W	E	S	N	G	Q	P	E	N	
GTC	AAA	GGC	TTC	TAT	CCC	AGC	GAC	ATC	GCC	GTG	GAG	TGG	GAG	AGC	AAT	GGG	CAG	CCG	GAG	AAC	
1197			1206			1215			1224			1233			1242				1251		
N	Y	K	T	T	P	P	V	L	D	S	D	G	S	F	F	L	Y	S	K	L	
AAC	TAC	AAG	ACC	ACG	CCT	CCC	GTC	GTG	GAC	TCC	GAC	GGC	TCC	TTC	TTC	CTC	TAC	AGC	AAG	CTC	
1260		1269			1278			1287			1296			1305			1314				
T	V	D	K	S	R	W	Q	Q	G	N	V	F	S	C	S	V	M	H	E	A	
ACC	GTG	GAC	AAG	AGC	AGG	TGG	CAG	CAG	GGG	AAC	GTC	TTC	TCA	TGC	TCC	GTG	ATG	CAT	GAG	GCT	
1323			1332			1341			1350			1359			1368				1377		
L	H	N	H	Y	T	Q	K	S	L	S	L	S	P	G	K						
CTG	CAC	AAC	CAC	TAC	ACG	CAG	AAG	AGC	CTC	TCC	CTG	TCT	CCG	GGT	AAA	TGA					
1386			1395			1404			1413			1422			1431						

FIG. 3C

Frame 1 M S L P A Q L C G G G L C T G C T A L T T G L C T G C V P G G G S S
ATG AGC CTC CCT GCT CAG 9 18 27 36 45 54 AGT

G E V V M T Q S P L S L P I T P G E P A S
GGG GAA GTT GTG ATG ACT CAG TCT 63 72 81 90 99 108 AGC GAG CCG GCC TCC 117

I S C R S Q S L K H S N G D T F L S W Y
ATC TCC TGT AGG TCT AGT CAA 126 135 144 153 162 171 AGT AAC CCT GAC ACC TTC CTG AGT TGG TAT 180

Q Q K P G Q P R L I Y K V S N R D S G
CAG CAG AAG CCA GGC CAA CCT 189 198 207 216 225 234 AGG AGG TCT AAC CGG GAC TCT GGG 243

V P D R F S G S G A G T D F T L K I S A V
CTC CCA GAC AGA TTC AGC GGC 252 261 270 279 288 297 AGT GCA GCA GAT ACA CTG AAA ATC AGC GCA GTG 306

E A E D V G V Y F C G Q G T R T P P T F G
GAG GCT GAA GAT GTT GGG GTT TAT TTC TGC 315 324 333 342 351 360 AGC GAT ACT CCT CCC ACT TTC GGC 369

G G T K V E I K R T V A A P S V F I F P G
GGA GGG ACC AAG GTG GAA ATC 378 387 396 405 414 423 ATC TTC CCG CCA 432

S D E Q L K S G T A S V V C L L N N F Y P
TCT GAT GAG CAG TTG AAA TCT GGA ACT GCC 441 450 459 468 477 486 AAC TTC TAT CCC 495

R E A K V Q W K V D N A L Q S G N S Q E S
AGA GAG GCC AAA GTA CAG TGG 504 513 522 531 540 549 AAC TCC CAG GAG AGT 558

V T E Q D S K D S T Y S L S T L T L S K
GTC ACA GAG CAG GAC AGC AAG GAC AGC ACC 567 576 585 594 603 612 AGC ACC CTG AGC AAA 621

A D Y E K H K V Y A C E V T H Q G L S S P
GCA GAC TAC GAG AAA CAC AAA GTC TAC GCC 630 639 648 657 666 675 CAT CAG GGC CTG AGC TCG CCC 684

V T K S F N R G E C
GTC ACA AAG AGC TTC AAC AGG GGA GAG TGT 693 702 711 720

FIG. 4A

Frame 1 M G W S L I L F T C T V A V A T R V Q C
ATG GGT TGG AGC CTC ATC TTG CTC F TTC CTT GTC GCT GTT GCT ACG CGT GTC CGT QAG TGT
9 18 27 36 45 54

E V Q L V E S G G G L V Q P G G S L R V S
GAG GTG CAA CTG GTG GAG TCT GGG GGA GGC TTG GTC CAG CCT GGC GGG TCC CTG AGA GTC V S
63 72 81 90 99 108 117

C A V S G F T S D H Y M Y W F R Q A P G
TGT GCA GTC TCT GGA TTC ACC AGT GAC CAC TAC ATG TAT TGG TTC CGC CAG GCT CCA GGG
126 135 144 153 162 171 180

K G P E W V G F I R N K P N G G T T E Y A
AAG GGG CCG GAA TGG GTA GGT TTC ATT AGA AAC AAA CCG AAC GGT GGG ACA ACA GAA TAC GCC
189 198 207 216 225 234 243

A S V K D R F T I S R D D S K S I A Y L Q
GCG TCT GTG AAA GAC AGA TTC ACC ATC TCC AGA GAT GAT TCC AAA AGC ATC GCC TAT CTG CAA
252 261 270 279 288 297 306

M S S L K I E D T A V Y Y C T T S Y I S H
ATG AGC AGC CTG AAA ATC GAG GAC AGC GCC GTC TAT TAC TGT ACT ACA TCC TAC ATT TCA CAT
315 324 333 342 351 360 369

C R G G V C Y G G Y F E F W G Q G A L V T
TGT CGG GGT GGT GTC TGC TAT GGA GGT TAC TTC GAA TTC TGG GGC CAG GGC GCC CTG GTC ACC
378 387 396 405 414 423 432

V S S A S T K G P S V F P L A P S S K S T
GTC TCC TCA GCT AGC ACC AAG GGC CCA TCG GTC TTC CCC CTG GCA CCC TCC TCC AAG AGC ACC
441 450 459 468 477 486 495

S G G T A A L G C L V K D Y F P E P V T V
TCT GGG GGC ACA GCG GCC CTG TGC CTG GTC AAG GAC TAC TTC CCC GAA CCG GTG ACG GTG
504 513 522 531 540 549 558

S W N S G A L T S G V H T F P A V L Q S S
TCG TGG AAC TCA GGC GCC CTG ACC AGC GGC GTG CAC ACC TTC CCG GCT GTC CTA CAG TCC TCA
567 576 585 594 603 612 621

G L Y S L S S V V T G P S T S G L G T Q T Y
GGA CTC TAC TCC CTC AGC AGC GTG GTG ACC V GTG CCC TCC AGC AGC TTG GGC ACC CAG ACC TAC
630 639 648 657 666 675 684

I C N V N H K P S N T K V D K K A E P K S
ATC TGC AAC GTG AAT CAC AAC CCC AGC AAC ACC AAG GTG GAC AAG AAA GCA GAG CCC AAA TCT
693 702 711 720 729 738 747

C D K T H T C P P C P A P E L L G G P S V
TGT GAC AAA ACT CAC ACA TGC CCA CCG TGC CCA GCA CCT GAA CTC CTG GGG GGA CCG TCA GTC
756 765 774 783 792 801 810

F L F P P K P K D T L M I S R T P E V T C
TTC CTC TTC CCC CCA AAA CCC AAG GAC ACC CTC ATG ATC TCC CGG ACC CCT GAG GTC V T C
819 828 837 846 855 864 873

V V D V S H E D P E V K F N W Y V D G V
GTC GTG GAC GTG AGC CAC GAA GAC CCT GAG GTC AAG TCC AAC TGG TAC GTG GAC GGC GTG
882 891 900 909 918 927 936

FIG. 4B

E	V	H	N	A	K	T	K	P	R	E	E	Q	Y	N	S	T	Y	R	V	V
GAG	GTG	CAT	AAT	GCC	AAG	ACA	AAG	CCG	CGG	GAG	GAG	CAG	TAC	AAC	AGC	ACG	TAC	CGT	GTG	GTC
945		954		963				972				981			990				999	
S	V	L	T	V	L	H	Q	D	W	L	N	G	K	E	Y	K	C	K	V	S
AGC	GTC	CTC	ACC	GTC	CTG	CAC	CAG	GAC	TGG	CTG	AAT	GGC	AAG	GAG	TAC	AAG	TGC	AAG	GTC	TCC
1008		1017		1026				1035				1044			1053				1062	
N	K	A	L	P	A	P	I	E	K	T	I	S	K	A	K	G	Q	P	R	E
AAC	AAA	GCC	CTC	CCA	GCC	CCC	ATC	GAG	AAA	ACC	ATC	TCC	AAA	GCC	AAA	GGG	CAG	CCC	CGA	GAA
1071		1080		1089				1098				1107			1116				1125	
P	Q	V	Y	T	L	P	P	S	R	D	E	L	T	K	N	Q	V	S	L	T
CCA	CAG	GTG	TAC	ACC	CTG	CCC	CCA	TCC	CGG	GAT	GAG	CTG	ACC	AAG	AAC	CAG	GTC	AGC	CTG	ACC
1134		1143		1152				1161				1170			1179				1188	
C	L	V	K	G	F	Y	P	S	D	I	A	V	E	W	E	S	N	G	Q	P
TGC	CTG	GTC	AAA	GGC	TTC	TAT	CCC	AGC	GAC	ATC	GCC	GTG	GAG	TGG	GAG	AGC	AAT	GGG	CAG	CCG
1197		1206		1215				1224				1233			1242				1251	
E	N	N	Y	K	T	T	P	P	V	L	D	S	D	G	S	F	F	L	Y	S
GAG	AAC	AAC	TAC	AAG	ACC	ACG	CCT	CCC	GTG	CTG	GAC	TCC	GAC	GGC	TCC	TTG	TTG	CTC	TAC	AGC
1260		1269		1278				1287				1296			1305				1314	
K	L	T	V	D	K	S	R	W	Q	Q	G	N	V	F	S	C	S	V	M	H
AAG	CTC	ACC	GTG	GAC	AAG	AGC	AGG	TGG	CAG	CAG	GGG	AAC	GTC	TTC	TCA	TGC	TCC	GTG	ATG	CAT
1323		1332		1341				1350				1359			1368				1377	
E	A	L	H	N	H	Y	T	Q	K	S	L	S	L	S	P	G	K			
GAG	GCT	CTG	CAC	AAC	CAC	TAC	AGC	CAG	AAG	AGC	CTC	TCC	CTG	TCT	CCG	GGT	AAA	TGA		
1386		1395		1404				1413				1422			1431					

FIG. 4C

Frame 1 M R V P A Q L G L G G L C T G C T G G G L C T G C T G L C T G C T G W L C C A G G T A G C A R
ATG AGG GTC CCC GCT CAG LCTC CTG GGG CTC CTG CTG CTG LCTC TGG CTC PCCA GGT ACGA CGA
9 18 27 36 45 45 54

C E S V L T Q P P S V S G A P G Q K V T I
TGT GAG TCT GTC CTG ACA CAG CCG CCC TCA GTG TCT GGG GCC PCCA GGG QAG AAG GTC V ACC ATC
63 72 81 90 99 108 117

S C T G S T S N I G G Y D L H W Y Q O L P
TCG TGC ACT GGG AGC ACC TCC AAC ATT GGA GGT TAT GAT CTA CAT TGG TAC CAG CAG CTC CCA
126 135 144 153 162 171 180

G T A P K L L I Y D I N K R P S G I S D R
GGA ACG GCC CCC AAA CTC CTC ATC TAT GAC ATT AAC AAG CGA CCC TCA GGA ATT TCT GAC CGA
189 198 207 216 225 234 243

F S G S K S G T A A S L A I T G L Q T E D
TTC TCT GGC TCC AAG TCT GGT ACC GCG GCC TCC CTG GCC ATC ACT GGG CTC CAG ACT GAG GAT
252 261 270 279 288 297 306

E A D Y Y C Q S Y D S S L N A Q V F G G G
GAG GCT GAT TAT TAC TGC CAG TCC TAT GAC AGC AGC CTG AAT GCT CAG GTA TTC GGA GGA GGG
315 324 333 342 351 360 369

T R L T V L G Q P K A A P S V T L F P P S
ACC CGG CTG ACC CTA GGT CAG CCC AAG GCT GCC CCC TCG GTC ACT CTG TTC CCG CCC TCC
378 387 396 405 414 423 432

S E E L Q A N K A T L V C L I S D F Y F G
TCT GAG GAG CTT CAA GCC AAC AAG GCC ACA CTG GTG TGT CTC ATA AGT GAC TTC TAC CCG GGA
441 450 459 468 477 486 495

A V T V A W K A D S S P V K A G V E T T
GCC GTG ACA GTG GCC TGG AAG GCA GAT AGC AGC CCC GTC AAG GCG GGA GTG GAG ACC T ACC ACA
504 513 522 531 540 549 558

P S K Q S N N K Y A S S Y L S L T P E Q
CCC TCC AAA CAA AGC AAC AAC AAG TAC GCG GCC AGC AGC TAC CTG AGC CTG AGC CCT GAG CAG
567 576 585 594 603 612 621

W K S H R S Y S C Q V T H E G S T V E K T
TGG AAG TCC CAC AGA AGC TAC AGC TGC CAG TAC AGC CAT GAA GGG AGC ACC CTG GAG AAG ACA
630 639 648 657 666 675 684

V A P T E C S
GTG GCC CCT ACA GAA TGT TCA TGA
693 702 711

FIG. 5A

Frame 1	M	K	H	L	W	F	F	L	L	L	V	A	A	P	R	W	V	L	S	
	ATG	AAA	CAC	CTG	TGG	TTC	TTC	CTC	CTC	CTG	GTC	GCA	GCT	CCC	AGA	TGG	GTC	CTG	TCC	
	9			18				27			36			45					54	
Q	V	Q	L	Q	E	S	G	P	G	L	V	K	P	S	E	T	L	S	L	T
CAG	GTG	CAG	CTG	CAG	GAG	TCG	GGC	CCA	GGG	CTG	GTC	AAG	CCT	TCG	GAG	ACC	CTG	TCC	CTC	ACC
63				72			81			90			99			108				117
C	A	V	S	G	G	S	I	S	G	G	Y	G	W	G	W	I	R	Q	P	P
TGC	GCT	GTC	TCT	GGT	GGC	TCC	ATC	AGC	GGT	GCT	TAT	GGC	TGG	GGC	TGG	ATC	CGC	CAG	CCC	CCA
126			135				144			153			162			171				180
G	K	G	L	E	W	I	G	S	F	Y	S	S	S	G	N	T	Y	Y	N	P
GGG	AAG	GGG	CTG	GAG	TGG	ATT	GGG	AGT	TTC	TAT	AGT	AGT	AGT	GGG	AAC	ACC	TAC	TAC	AAC	CCC
189				198			207			216			225			234				243
S	L	K	S	Q	V	T	I	S	T	D	T	S	K	N	Q	F	S	L	K	L
TCC	CTC	AAG	AGT	CAA	GTC	ACC	ATT	TCA	ACA	GAC	ACG	TCC	AAG	AAC	CAG	TTC	TCC	CTG	AAG	CTG
252				261			270			279			288			297				306
N	S	M	T	A	A	D	T	A	V	Y	Y	C	V	R	D	R	L	F	S	V
AAC	TCT	ATG	ACC	GCC	GGC	GAC	ACG	GCC	GTG	TAT	TAC	TGT	GTG	AGA	GAT	CGT	CTT	TTT	TCA	GTT
315				324			333			342			351			360				369
V	G	M	V	Y	N	N	W	F	D	V	W	G	P	G	V	L	V	T	V	S
GTC	GGG	ATG	GTT	TAC	AAC	AAC	TGG	TTC	GAT	GTC	TGG	GGC	CCG	GGA	GTC	CTG	GTC	ACC	GTC	TCC
378				387			396			405			414			423				432
S	A	S	T	K	G	P	S	V	F	P	L	A	P	S	S	K	S	T	S	G
TCA	GCT	AGC	ACC	AAG	GGC	CCA	TCG	GTC	TTC	CCC	CTG	GCA	CCC	TCC	TCC	AAG	AGC	ACC	TCT	GGG
441				450			459			468			477			486				495
G	T	A	A	L	G	C	L	V	K	D	Y	F	P	E	P	V	T	V	S	W
GGC	ACA	GGC	GCC	CTG	GGC	TGC	CTG	GTC	AAG	GAC	TAC	TTC	CCC	GAA	CCG	GTG	ACG	GTG	TCG	TGG
504				513			522			531			540			549				558
N	S	G	A	L	T	S	G	V	H	T	F	P	A	V	L	Q	S	S	G	L
AAC	TCA	GGC	GCC	CTG	ACC	AGC	GGC	GTG	CAC	ACC	TTC	CCG	GCT	GTC	CTA	CAG	TCC	TCA	GGG	CTC
567				576			585			594			603			612				621
Y	S	L	S	S	V	V	T	V	P	S	S	S	L	G	T	Q	T	Y	I	C
TAC	TCC	CTC	AGC	AGC	GTG	GTG	ACC	GTG	CCC	TCC	AGC	AGC	TTG	GGC	ACC	CAG	ACC	TAC	ATC	TGC
630				639			648			657			666			675				684
N	V	N	H	K	P	S	N	T	K	V	D	K	K	A	E	P	K	S	C	D
AAC	GTG	AAT	CAC	AAG	CCC	AGC	AAC	ACC	AAG	GTG	GAC	AAG	AAA	GCA	GAG	CCC	AAA	TCT	TGT	GAC
693				702			711			720			729			738				747
K	T	H	T	C	P	P	C	P	A	P	E	L	L	G	G	P	S	V	F	L
AAA	ACT	CAC	ACA	TGC	CCA	CCG	TGC	CCA	GCA	CCT	GAA	CTC	CTG	GGG	GGA	CCG	TCA	GTC	TTC	CTC
756				765			774			783			792			801				810
F	P	P	K	P	K	D	T	L	M	I	S	R	T	P	E	V	T	C	V	V
TTC	CCC	CCA	AAA	CCC	AAG	GAC	ACC	CTC	ATG	ATC	TCC	CGG	ACC	CCT	GAG	GTC	ACA	TGC	GTG	GTG
819				828			837			846			855			864				873
V	D	V	S	H	E	D	P	E	V	K	F	N	W	Y	V	D	G	V	E	V
GTG	GAC	GTG	AGC	CAC	GAA	GAC	CCT	GAG	GTC	AAG	TTC	AAC	TGG	TAC	GTG	GAC	GGC	GTG	GAG	GTG
882				891			900			909			918			927				936

FIG. 5B

H	N	A	K	T	K	P	R	E	E	Q	Y	N	S	T	Y	R	V	V	V	S	V
CAT	AAT	GCC	AAG	ACA	AAG	CCG	CGG	GAG	GAG	CAG	TAC	AAC	AGC	ACG	TAC	CGT	GTG	GTC	GTC	AGC	GTC
945	954				963			972		972		981		990		990				999	
L	T	V	L	H	Q	D	W	L	N	G	K	E	Y	K	C	K	V	S	N	K	
CTC	ACC	GTC	CTG	CAC	CAG	GAC	TGG	CTG	AAT	GGC	AAG	GAG	TAC	AAG	TGC	AAG	GTC	TCC	AAC	AAA	
1008	1017				1026			1035			1044		1044		1053				1062		
A	L	P	A	P	I	E	K	T	I	S	K	A	K	G	Q	P	R	E	P	Q	
GCC	CTC	CCA	GCC	CCC	ATC	GAG	AAA	ACC	ATC	TCC	AAA	GCC	AAA	GGG	CAG	CCC	CGA	GAA	CCA	CAG	
1071	1080				1089			1098			1107		1107		1116				1125		
V	Y	T	L	P	P	S	R	D	E	L	T	K	N	Q	V	S	L	T	C	L	
GTG	TAC	ACC	CTG	CCC	CCA	TCC	CGG	GAT	GAG	CTG	ACC	AAG	AAC	CAG	GTC	AGC	CTG	ACC	TGC	CTG	
1134	1143				1152			1161		1161		1170		1170		1179			1188		
V	K	G	F	Y	P	S	D	I	A	V	E	W	E	S	N	G	Q	P	E	N	
GTC	AAA	GGC	TTC	TAT	CCC	AGC	GAC	ATC	GCC	GTG	GAG	TGG	GAG	AGC	AAT	GGG	CAG	CCG	GAG	AAC	
1197	1206				1215			1224		1224		1233		1233		1242			1251		
N	Y	K	T	T	P	P	V	L	D	S	D	G	S	F	F	L	Y	S	K	L	
AAC	TAC	AAG	ACC	ACG	CCT	CCC	GTG	CTG	GAC	TCC	GAC	GGC	TCC	TTC	TTC	CTC	TAC	AGC	AAC	CTC	
1260	1269				1278			1287		1287		1296		1296		1305			1314		
T	V	D	K	S	R	W	Q	Q	G	N	V	F	S	C	S	V	M	H	E	A	
ACC	GTG	GAC	AAG	AGC	AGG	TGG	CAG	GGG	AAC	GTC	TTC	TCA	TGC	TCC	GTG	ATG	CAT	GAG	GCT		
1323	1332				1341			1350		1350		1359		1359		1368			1377		
L	H	N	H	Y	T	Q	K	S	L	S	L	S	L	P	G	K					
CTG	CAC	AAC	CAC	TAC	ACG	CAG	AGC	CTC	TCC	CTG	TCT	CCG	GGT	AAA	TGA						
1386	1395				1404			1413		1413		1422		1422		1431					

FIG. 5C

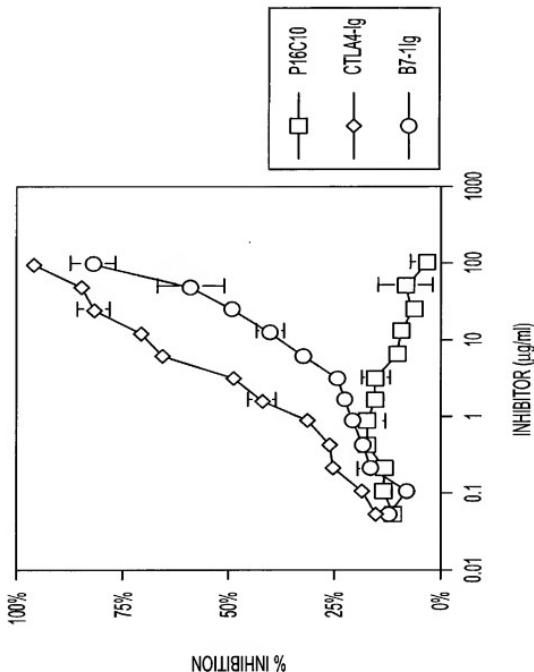


FIG. 6

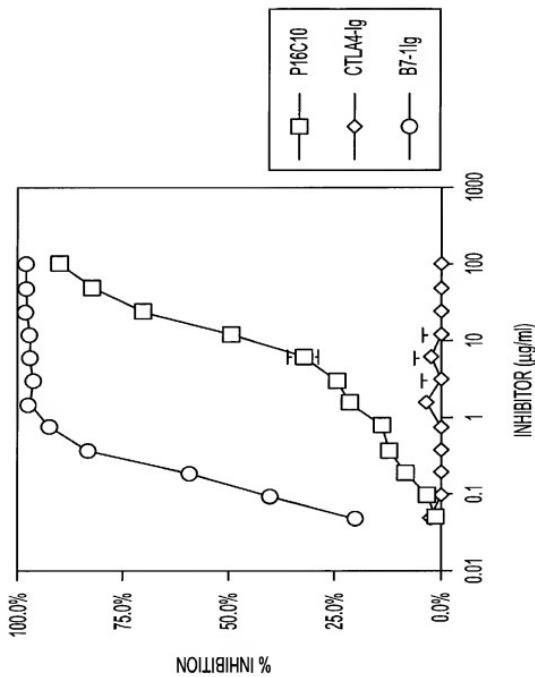


FIG. 7

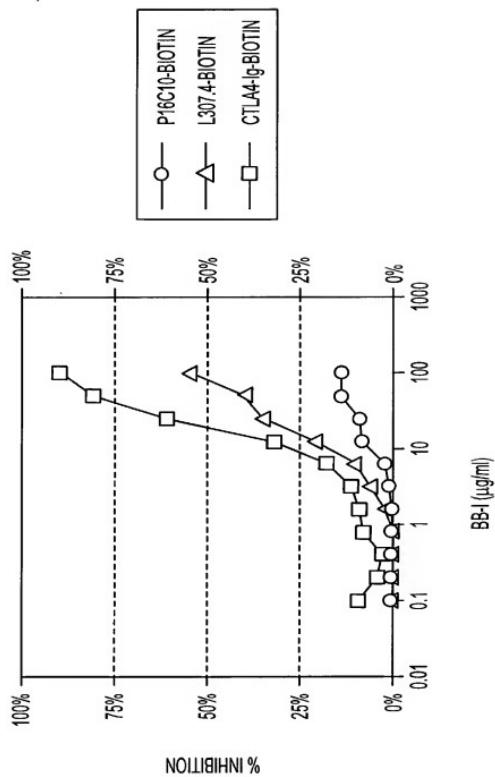


FIG. 8

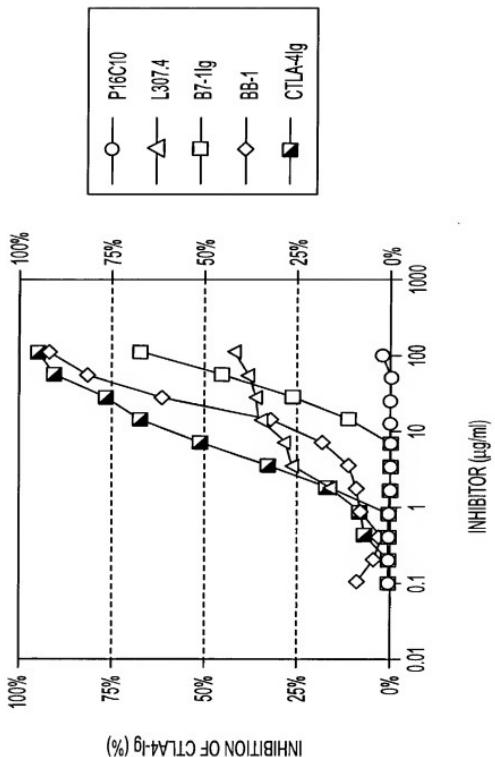


FIG. 9

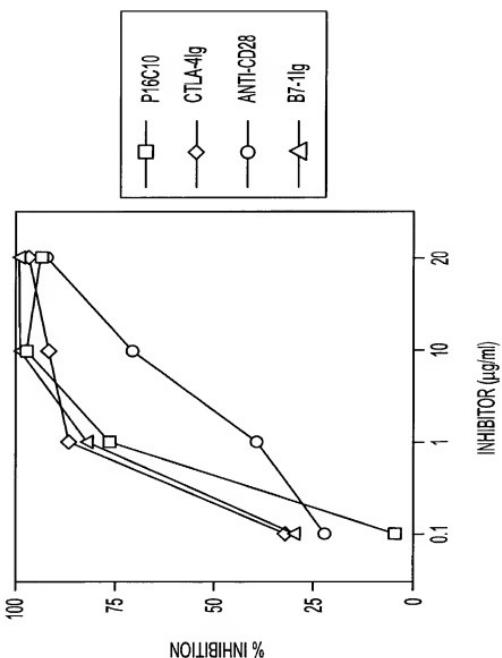


FIG. 10